

IN THE CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1 to 21 (cancelled).

Claim 21 (previously presented): A gas turbine, comprising
a core engine including a high pressure compressor and a shaft connected thereto for driving said high speed compressor;
an electrical power generator generating electrical power from the shaft and from compressed air drawn from the high-pressure compressor.

Claim 22 (previously presented): The gas turbine of claim 21, wherein the electrical power generator includes a first generator and a second generator.

Claim 23 (previously presented): The gas turbine as recited in Claim 22, wherein the first generator is connected to the shaft via a gear, the first generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft.

Claim 24 (previously presented): The gas turbine as recited in Claim 23, wherein the second generator is connected to an air turbine via a gear, the air turbine generating mechanical power from the compressed air, and the second generator generating electrical power from the mechanical power generated by the air turbine.

Claim 25 (previously presented): The gas turbine as recited in Claim 21, wherein the electrical power generator generates electrical power in a high load range of the core engine exclusively from mechanical shaft power drawn from the core engine via the shaft.

Claim 26 (previously presented): The gas turbine as recited in Claim 21, wherein the

electrical power generator generates electrical power in a lower load range of the core engine from the mechanical shaft power drawn from the core engine via the shaft and from pneumatic energy contained in the compressed air.

Claim 27 (previously presented): The gas turbine as recited in Claim 21, further comprising a controller, wherein the controller, as a function of the load range of the core engine, automatically connects or disconnects the electrical power generator from the compressed air.

Claim 28 (previously presented): The gas turbine as recited in Claim 21, wherein the electrical power generator includes a first generator connected to the shaft via a first gear, the first generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft.

Claim 29 (previously presented): The gas turbine as recited in Claim 28, wherein the electrical power generator further includes a second generator connected to an air turbine via a second gear, the air turbine generating mechanical power from the compressed air, and the second generator generating electrical power from the mechanical power generated by the air turbine.

Claim 30 (previously presented): The gas turbine as recited in Claim 29 further comprising a freewheel assigned to the second gear which cooperates with the air turbine.

Claim 31 (previously presented): The gas turbine as recited in Claim 29, wherein the first and second generators are connectable to one another via a controllable clutch, the first and second generators being driven in an upper load range of the core engine exclusively by the shaft.

Claim 32 (previously presented): The gas turbine as recited in Claim 31, wherein the first and second gears are connected to one another via the controllable clutch and the freewheel decouples the air turbine.

Claim 33 (previously presented): The gas turbine as recited in Claim 31 wherein the first and second generators are decoupled in a lower load range of the core engine, the first generator being driven exclusively by the shaft and the second generator being driven exclusively by the air turbine.

Claim 34 (previously presented): The gas turbine as recited in Claim 33, wherein the controllable clutch decouples the first and second generators by decoupling the first and second gears from one another, and the freewheel couples the air turbine with the second generator via the second gear.

Claim 35 (previously presented): The gas turbine as recited in Claim 21, wherein the electrical power generator is connected to the shaft via a gear, the electrical power generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft.

Claims 36 to 38 (withdrawn).